# Subcontractor Health and Safety: BWXT Y-12 Expectations

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# Target Zero Accident Philosophy

EVERY ACCIDENT IS PREVENTABLE

# Integrated Safety Management

- Define the scope of work
- Identify and analyze hazards
- Develop controls
- Perform work within the controls
- Feedback into the process for continuous improvement

# BWXT Y-12 Expectations

- Before Performing Work, Subcontractors

    – Provide compliant Environment, Safety and Health (ES&H) program consistent with subcontract terms and conditions

    – Maintain Experience Modification Rating of 1.0 or less from workers compensation insurance carrier

    – Maintain injury/illness rates as low or lower than general industry

    – Inform workers of Stop Work Authority

# BWXT Y-12 Expectations

- Subcontractor ES&H Program

  - Provides ES&H project specific plan
  - Includes task based Activity Hazards Analysis
  - Specifies Training and qualification for workers
  - Implements requirements
  - Protects Workers, the Public, and Environment
  - Establishes clear roles & responsibilities for supervisors and workers

# BWXT Y-12 Expectations

- Subcontractors Perform Work Safely

    - Brief workers on work to be performed, including hazards, controls and facility requirements
    - Perform work as planned with work start approval
    - Ensure lower tier subcontractors understand requirements, work controls, and perform work safely
    - Report all injuries/illnesses that occur on the job immediately to Subcontractor Technical Representative (STR)

# BWXT Y-12 Expectations

- Subcontractors Perform Work Safely
  - Recognize changing conditions and take appropriate action
  - Stop Work as needed for safety
  - Execute supervisor and worker roles & responsibilities
  - Share lessons learned
  - Self evaluation, feedback and oversight
  - Recognize safe work practices
  - Follow BWXT Y-12 standards- one standard at Y-12 National Security Complex

# BWXT Y-12 Expectations

How will BWXT Y-12 monitor your health and safety performance?

- Evaluate written heath and safety programs
- Evaluate performance metrics including recordable injuries/illnesses
- Oversight by BWXT STR, ES&H professionals, DOE etc., during work

# Current Performance

- Subcontractors have had 8 Recordable Injuries in Calendar Year 2006 on the Y-12 Site
  - Roofer tripped and fell resulting in a knee sprain
  - Drill kicked back and struck worker injuring the mouth
  - Laborer fell into manhole fracturing their vertebra
  - Electrician strained lower back while rising from a kneeling position
  - Two ironworkers installing fencing received laceration to hand and puncture to finger on same day
  - Laborer was scraped by a pry bar resulting in stitches
  - Wasp sting triggered allergic reaction

# BWXT Y-12 Expectations

- Continuous improvement to achieve Target Zero

- Currently Construction Subcontractor recordable injury/illness rates are FOUR times higher in FY06 as compared to FY05

- In FY05 Subcontractors reduced recordable injury/illness rates by 50 % as compared to FY04

# Preventing Accidents

- Recognizing potential critical behaviors is key to preventing accidents

  - Help workers prepare for tasks by evaluating and preventing potential critical behaviors for injuries related to:
    - Body position – line of fire, eyes on task
    - Body use and ergonomics - overexertion
    - Tools and equipment – barriers and warnings
    - Procedures – permits, pre/post job inspection
    - PPE – right for task
    - Environment – walking/working surfaces, temperature

Y12

# Preventing Accidents

- Recognizing potential error precursors is key to preventing accidents

  - Help workers prepare for tasks by evaluating and preventing potential for injuries related to:
    - Task Demands
    - Work Environment
    - Individual Capabilities
    - Human nature

# Preventing Accidents

- Hazards MUST be identified and Controls developed and implemented at the task level for All Subcontractors

- Subcontractor worker protection programs must flow down requirements with emphasis on the importance & need for worker's Stop Work Authority, qualified and competent workers and safe operation of equipment

- Performing Work in a Safe Manner is No Accident, No Incident, just an expectation!

**Y12**